

### ***Remarks***

Reconsideration of this Application is respectfully requested. Claims 1-28 are pending in the application, with claims 1, 8, 15 and 22 being the independent claims. Independent claims 1 and 15 and their dependent claims 2, 3, 5, 6, 19 and 20 are sought to be amended. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Applicants have made the above Amendment to more particularly point out and distinctly claim the subject matter which Applicants regard as the invention. Based on the above Amendment and the following Remarks, Applicants respectfully request that the Examiner reconsider and withdraw all outstanding rejections.

#### Rejections Under 35 USC § 102(e)

Claims 1-28 are rejected under 35 USC § 102(e) as being unpatentable over US Patent No. 6,453,216 to McCabe *et al.* (hereafter "McCabe"). Regarding claims 1-28, Applicants respectfully traverse this rejection since McCabe does not teach each element of amended independent claims 1 and 15 and independent claims 8 and 22.

Regarding amended independent claims 1 and 15, the claimed invention is a weather and terrestrial vegetation-based system (or method) for forecasting renovation and management for a body of water. A database of the system (or method) stores data for analyzing the body of water, including weather history data, weather forecast data, terrestrial vegetation history data, terrestrial vegetation forecast data, and body of water history data. In addition, a renovation system executes a request from a user to analyze the body of water for renovation and management by using the weather history data, the weather forecast data, the terrestrial

vegetation history data, the terrestrial vegetation forecast data, and the body of water history data to determine potential problems for the body of water and potential solutions for the potential problems.

Regarding independent claims 8 and 22, the claimed invention is a terrestrial vegetation-based system (or method) for forecasting renovation and management for a body of water. A database of the system (or method) stores data for analyzing the body of water, including terrestrial vegetation history data, terrestrial vegetation forecast data, and body of water history data. In addition, a renovation system executes a request from a user to analyze the body of water for renovation and management by using the terrestrial vegetation history data, the terrestrial vegetation forecast data, and the body of water history data to determine potential problems for the body of water and potential solutions for the potential problems.

Applicants submit that McCabe does not teach at least the feature in the present claimed invention of using terrestrial vegetation history data and terrestrial vegetation forecast data to determine potential problems for the body of water and potential solutions for the potential problems. Therefore, it is respectfully requested that the rejections under 35 U.S.C. § 102 (e) of independent claims 1, 8, 15 and 22 (and their dependent claims 2-7, 9-14, 16-21 and 23-28) be reconsidered and withdrawn for at least this reason.

### Conclusion

All of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete response has been made to the outstanding Office Action and, as such,

the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment is respectfully requested.

Respectfully submitted,

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***Version With Markings to Show Changes Made***

***In the Claims:***

Claims 1-3, 5, 6, 15, 19 and 20 have been amended as follows:

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1. (Amended) A weather and terrestrial vegetation-based system for forecasting renovation and management for a body of water, comprising:
- means for accessing a database having stored therein data for analyzing the body of water, wherein said database includes [one or more of] weather history data, weather forecast data, terrestrial vegetation history data, terrestrial vegetation forecast data, and body of water history data[, a list of problems, and a list of solutions]; and
- [a front end system to receive a request from a user to analyze the body of water for renovation and management; and]
- a renovation system to execute [said request] a request from a user to analyze the body of water for renovation and management by using [one of more of] said weather history data, said weather forecast data, said terrestrial vegetation history data, said terrestrial vegetation forecast data, and said body of water history data[, said list of problems, and said list of solutions] to determine potential problems for the body of water and potential solutions for said potential problems.
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2. (Amended) The system of claim 1, wherein said database data are either passed in via [said] a front end system, collected by said renovation system, or derived by said renovation system.
3. (Amended) The system of claim 1, further comprising a front end system to receive a request from a user to analyze the body of water for renovation and management, wherein said front end system is a web server.
5. (Amended) The system of claim 1, wherein said database further includes [list of problems is comprised of] a list of observable problems and a list of fundamental problems.
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6. (Amended) The system of claim 5, wherein said processing modules comprise:
- an analyzer module to determine the impact said weather history data and said terrestrial vegetation history data had on actual observable problems of the body of water;
- a diagnosis module to determine actual fundamental problems for the body of water based on said actual observable problems;
- a remedy module to determine the impact said weather forecast data and said terrestrial vegetation forecast data will have on said actual fundamental problems based on the impact said weather history data and said terrestrial vegetation history data had on said actual observable problems, and then to determine, based on the impact said weather forecast data and said terrestrial vegetation forecast data will have on said actual fundamental problems, one or more solutions for said actual fundamental problems;

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a compliance module to determine compliance for each of said solutions; and  
a cost module to determine for each of said solutions a list of factors that will aid the user  
in the renovation and management of the body of water.

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15. (Amended) A weather and terrestrial vegetation-based method for forecasting renovation  
and management for a body of water, comprising the steps of:

accessing a database having stored therein data for analyzing the body of water, wherein  
said database includes [one or more of] weather history data, weather forecast data, terrestrial  
vegetation history data, terrestrial vegetation forecast data, and body of water history data[, a list  
of problems, and a list of solutions]; and

[receiving a request from a user to analyze the body of water for renovation and  
management; and]

executing [said request] a request from a user to analyze the body of water for  
renovation and management by using [one of more of] said weather history data, said weather  
forecast data, said terrestrial vegetation history data, said terrestrial vegetation forecast data, and  
said body of water history data[, said list of problems, and said list of solutions] to determine  
potential problems for the body of water and potential solutions for said potential problems.

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19. (Amended) The method of claim 15, wherein said database further includes [list of  
problems is comprised of] a list of observable problems and a list of fundamental  
problems.

20. (Amended) The method of claim 19, wherein said performing processing functions step comprises the steps of :

determining the impact said weather history data and said terrestrial vegetation history data had on actual observable problems of the body of water;

determining the actual fundamental problems for the body of water based on said actual observable problems;

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determining the impact said weather forecast data and said terrestrial vegetation forecast data will have on said actual fundamental problems based on the impact said weather history data and said terrestrial vegetation history data had on said actual observable problems, and then to determine, based on the impact said weather forecast data and said terrestrial vegetation forecast data will have on said actual fundamental problems, one or more solutions for said actual fundamental problems;

determining compliance for each of said solutions; and

determining, for each of said solutions, a list of factors that will aid the user in the renovation and management of the body of water.